

AMENDMENTS

In the Claims:

This listing of claims replaces all prior versions, and listings, of claims in this application.

1. (Currently Amended) A pulse wave measuring apparatus comprising:

a fixing stand adapted for fixing a living organism in position;

a sensor unit movable with respect to the fixing stand and adapted to be positioned on the living organism when the living organism is positioned on the fixing stand, the sensor unit comprising at least one pressure sensitive part and a pressure part for pressing the at least one pressure sensitive part against the living organism positioned on the fixing stand;

a fastening band connecting the fixing stand and the sensor unit for fixing the living organism between the fixing stand and the sensor unit; and

a pressure part control unit for controlling the pressure part, characterized in that the pressure part control unit is ~~contained on~~ disposed in the fixing stand.

2. (Original) The pulse wave measuring apparatus according to claim 1, further comprising an A/D converter for converting the analog signal output from the pressure sensitive part to a digital signal,

wherein the A/D converter is arranged in the fixing stand.

3. (Original) The pulse wave measuring apparatus according to claim 2,

wherein the sensor unit includes a plurality of pressure sensitive part in array,

the apparatus further comprising a signal extraction unit for multiplexing by time division the signal output from the plurality of the pressure sensitive part,

wherein the signal extraction unit is arranged in the sensor unit.

4. (Original) The pulse wave measuring apparatus according to claim 3,

wherein the pressure part includes an expandable pressure cuff, and

wherein the pressure part control unit includes an expansion part for expanding/contracting the pressure cuff by filling/discharging a fluid into/from the pressure cuff, and an expansion part control unit for controlling the operation of the expansion part.

5. (Previously Presented) The pulse wave measuring apparatus according to any one of claims 2, 3 or 4, further comprising an arithmetic operation processing unit for arithmetically processing the signal output from the A/D converter, a display unit for outputting the result of arithmetic operation obtained from the arithmetic operation processing unit and an operating unit for receiving an input from an external source,

wherein the arithmetic operation processing unit, the display unit and the operating unit are arranged in the fixing stand.

6. (Previously Presented) The pulse wave measuring apparatus according to any one of claims 2, 3 or 4, further comprising an arithmetic operation processing unit for arithmetically processing the signal output from the A/D converter, a display unit for outputting the result of arithmetic operation obtained from the arithmetic operation processing unit and an operating unit for receiving an input from an external source,

wherein the arithmetic operation processing unit is arranged in the fixing stand, and the display unit and the operating unit are arranged on the sensor unit.

7. (Previously Presented) The pulse wave measuring apparatus according to any one of claims 2, 3 or 4, further comprising an arithmetic operation processing unit for arithmetically processing the signal output from the A/D converter, a display unit for outputting the result of arithmetic operation obtained from the arithmetic operation processing unit and an operating unit for receiving an input from an external source,

wherein the arithmetic operation processing unit, the display unit and the operating unit are arranged in the sensor unit.

8. (New) The pulse wave measuring apparatus according to claim 4, wherein the expansion part comprises:

an expansion device for expanding the pressure cuff;
a contraction device for contracting the pressure cuff; and
a switching mechanism for switching operation between the expansion device and the contraction device in response to a signal from the expansion part control unit.

9. (New) The pulse wave measuring apparatus according to claim 1, wherein the sensor unit further comprises a support for movably positioning the at least one pressure sensitive part and the pressure part on the living organism.

10. (New) The pulse wave measuring apparatus according to claim 3, wherein the signal extraction unit comprises a multiplexer.